

## WEST Search History

DATE: Tuesday, August 12, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP-ADJ</i>			
L18	L16 and gas.ti.	20	L18
L17	L16 and methane.ti.	0	L17
L16	L15 and gas	602	L16
L15	(hydrocarbon or methane) and l4 and microorganism\$	800	L15
L14	(hydrocarbon or methane)(w) gas and l4 and microorganism\$	0	L14
L13	L12 and l4	0	L13
L12	l1 and l2	67	L12
L11	L10 and l1	0	L11
L10	l4 and l2	324	L10
L9	l4 and l1 and l2	0	L9
L8	l1 and l2 and l6	0	L8
L7	l1 and l2 and l5	67	L7
L6	l5 near5 l4	7	L6
L5	l2 or l1	10130	L5
L4	L3 or ozone or ozonation ozonated	73968	L4
L3	o3	9756	L3
L2	methane.clm.	9943	L2
L1	((435/167)!.CCLS. )	254	L1

END OF SEARCH HISTORY

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1. [6600008](#). 21 Jul 99; 29 Jul 03. Aliphatic polyester film and gas barrier film. Kobayashi; Hisato, et al. 528/361; 428/441 428/442 528/271. C08G063/06.
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2. [6503471](#). 06 Oct 00; 07 Jan 03. Process for malodorous gas treatment. Han; Seong-Hwan, et al. 423/210; 423/220 423/224 423/235 423/238 423/243.01 423/243.02 423/243.03 423/243.07 423/243.08 423/245.2. B01D053/78.
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3. [6454871](#). 17 Dec 99; 24 Sep 02. Method of cleaning passageways using a mixed phase flow of gas and a liquid. Labib; Mohamed Emam, et al. 134/8; 134/22.12 134/22.14 422/28. B08B009/00 C23G005/032.
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4. [6423534](#). 22 Oct 99; 23 Jul 02. Method for eliminating ethanol in exhaust gas. Shiba; Hirotaka, et al. 435/266; 435/262. C12S005/00.
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5. [6173527](#). 13 Mar 98; 16 Jan 01. Method for treatment of top soil of a field with ozone gas to increase growth of plants. Pryor; Alan E.. 47/58.1R; 111/118 210/760 210/764 422/32 435/243 435/244 435/254.6. A61L002/20 A01C023/00 C02F001/78.
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6. [5996155](#). 24 Jul 98; 07 Dec 99. Process for cleaning, disinfecting, and sterilizing materials using the combination of dense phase gas and ultraviolet radiation. Chao; Sidney C., et al. 8/158; 68/13R 68/18R 8/159. D06F043/00.
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7. [5914154](#). 30 May 97; 22 Jun 99. Non-porous gas permeable membrane. Nemser; Stuart Marshall. 427/245; 427/235 427/238 427/244 427/378 427/379 427/381. B05D007/22 B05D005/00.
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8. [5807491](#). 29 Aug 96; 15 Sep 98. Electron beam process and apparatus for the treatment of an organically contaminated inorganic liquid or gas. Materi; Guy E.. 210/748; 204/157.44 204/554 210/908 588/227. C02F001/30.
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9. [5698011](#). 20 Mar 92; 16 Dec 97. Process for separating sterilant gas from diluent gas through a selective membrane. Chung; Hoo Young, et al. 95/45; 95/48 95/50. B01D053/22.
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10. [5637499](#). 17 Oct 95; 10 Jun 97. Method for enhancing microbial utilization rates of gases using perfluorocarbons. Turick; Charles E.. 435/266; 435/244 435/253.3. B01D053/34 B01D053/56 C12N001/38 C12N001/20.
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11. [5630915](#). 09 Jan 95; 20 May 97. Liquid decontamination system using electrical discharge with gas injection. Greene; Hugh W., et al. 204/164; 204/165 204/176 204/270 204/277 204/554 204/555 204/660 205/687 205/688 205/701 205/756 422/186.21. C02F001/46.
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12. [5578211](#). 17 Jan 96; 26 Nov 96. Wastewater gas reduction method. Dickerson; J. Rodney. 210/610; 210/620 210/630 210/631 210/920. C02F003/30 C02F003/34.
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13. [5515845](#).
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- └ 14. 5279963. 18 Apr 91; 18 Jan 94. System for the decontamination of a contaminated gas. Hobby; Michael M.. 435/266; 210/631 435/293.1 435/299.1 435/31 95/187 95/234. A61L009/01.
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- └ 15. 5254143. 03 Nov 92; 19 Oct 93. Diaphragm for gas-liquid contact, gas-liquid contact apparatus and process for producing liquid containing gas dissolved therein. Anazawa; Takanori, et al. 95/46; 96/6. B01D053/22.
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- └ 16. 5231980. 11 Jan 91; 03 Aug 93. Process for the recovery of halogenated hydrocarbons in a gas stream. Filipovic; Dusanka, et al. 128/205.12; 128/909. A62B007/10.
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- └ 17. 5005101. 31 Jan 89; 02 Apr 91. Method and apparatus for negative charge effect and separation of undesirable gases. Gallagher; James C., et al. 361/231; 323/903 361/225 96/54. H01J003/04.
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- └ 18. US 20030077770 A1 WO 2003033181 A1. Production of ethanol from organic materials comprises providing aqueous solution with organic materials, contacting solution with gas, contacting oxidized medium with microorganisms, and collecting ethanol. GREENE, A K. B09B003/00 C12N001/00 C12N001/14 C12N001/16 C12N001/18 C12N001/20 C12P001/00 C12P001/02 C12P001/06 C12P007/00 C12P007/02 C12P007/06 C12P007/08 C12P007/14.
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- └ 19. JP 06157229 A. Prodn of microorganism controlling material for soil and golf course, etc - by oxidising unused agricultural prod contg hydrocarbon with ozone gas aeration. A01N061/00 A01N065/00.
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- └ 20. US 3904476 A. Purificn of edible protein from hydrocarbons - to remove residual contaminants by treatment with ozone-contg. gas. C12B001/26.
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Terms	Documents
L16 and gas.ti.	20

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